

# ABSTRACT

The present invention relates to a composite material including a substrate with a first and a second layer, and a surfactant. The surfactant is applied to the first layer of the substrate. The surfactant acts to lower the surface tension of a fluid which contacts the first layer of the substrate such that the fluid is allowed or more readily enabled to pass through the first layer of the substrate, but such that the surfactant does not substantially adversely effect the absorption capacity or wicking height of the second layer of the substrate, as the second layer of the substrate substantially inactivates the surfactant upon contact or interaction therewith.

TOP SECRET